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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	
Filing Date	
First Named Inventor	Lance E. Brothers
Title	Methods, Well Cement
Art Unit	
Examiner Name	
Attorney Docket Number	HES 2001-TP-005521U1P1D2

I hereby appoint:	
Practitioners at Customer Number	Place Customer Number Bar Code Label here
OR	Labornore
X Practitioner(s) named below:	
Name	Registration Number
see attached	
as my/our attorney(s) or agent(s) to prosecute the application idea Trademark Office connected therewith.	entified above, and to transact all business in the United States Patent and
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The above-mentioned Customer Number.	
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Individual Name	
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City	State Zip
Country	·
Telephone	Fax
I am the:	
Applicant/Inventor.	
Assignee of record of the entire interest. See 37 CFR 3. Statement under 37 CFR 3.73(b) is enclosed. (Form PT)	
SIGNATURE of Ap	plicant or Assignee of Record
Name Craig W. Roddy	
Signature Class V. Rodoly	
Date 6-25-2003	Telephone 580-251-3012
NOTE: Signatures of all the inventors or assignees of record of the entire in forms if more than one signature is required, see below*.	nterest or their representative(s) are required. Submit multiple
*Total of forms are submitted.	

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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DECLARATION

REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)

Name	Registration Number	Name	Registration Number
Halliburton Energy Services, Inc. Practitioners		McAfee & Taft Practitioners	÷
William E. Shull	29,438	C. Clark Dougherty, Jr.	24,208
Michael D. McCully	29,566 ·	Clifford C. Dougherty, III	31,607
Mark A. Smith	30,220	E. Harrison Gilbert, III	29,156
William M. Imwalle	35,904	Neal R. Kennedy	31,383
Paul I. Herman	37,349	Michael J. LaBrie	39,507
Robert A. Kent	28,626	Anthony L. Rahhal	. 37,562
Craig W. Roddy	36,256	Jean L. Pinkston	45,014
John W. Wustenberg	35,415	William D. Hall	35,535
Scott F. Wendorf	48,029		

Burden Hear Statement: This form is collected to take Q.A hours to complete. Time will very depending upon the seads of the individual cases. Any constructs on the amount of time, you are required to complete this form about to the Chief information Officer, Potent and Tradement Collect, Washington, DC 20091. DO NOT SEND PEES ON COMPLETED POYMS TO THIS ADDRESS, SEND TO: Assistant Commissionar for Patents, Washington, DC 20091.

Declaration - Registered Practitioner Information (Supplemental Sheet) (PTO/SB/02C)(1-1.4)

HES 2001-IP-005521U1P1

Lance E. Brothers et al.

PTO/SB/01 (10-01)
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DECLARATION FOR UTILITY OR

DESIGN

PATENT APPLICATION

Attorney Docket Number

COMPLETE IF KNOWN

First Nam d Inv ntor

(37 CFR	1.63)	Application Number		
Declaration Submitted OR with Initial	Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e))	Filing Date Art Unit		
Filing	required)	Examiner Name		
As the below named inventor, I he	ereby declare that:			
My residence, mailing address, and	citizenship are as stated below	w next to my name.	•	
I believe I am the original and first in	ventor of the subject matter wh	hich is claimed and for wh	ich a patent is sou	ght on the invention entitled:
Methods, Well Cement	Compositions And L	igntweight Additi	ves Therefor	
	•			
	,			
*	(Title of the Inv	vention)		
the specification of which	(mis or the mi	onden,		
is attached hereto				
OR r				
was filed on (MM/DD/YYYY)		as United States A	pplication Number	or PCT International
l				
Application Number	and was amended	d on (MM/DD/YYYY)		(if applicable).
			4 114	(,, apparato),
I hereby state that I have reviewed an any amendment specifically referred to		the above identified speci	fication, including t	he claims, as amended by
I acknowledge the duty to disclose info applications, material information whice international filing date of the continua	h became available between t	patentability as defined in the filing date of the prior	37 CFR 1.56, incluance in the application and the	iding for continuation-in-part e national or PCT
I hereby claim foreign priority benefits breeder's rights certificate(s), or 365(States of America, listed below and h breeder's rights certificate(s), or any claimed.	 a) of any PCT international a rave also identified below, by 	pplication which designat checking the box, any fo	ed at least one co reign application f	ountry other than the United or patent, inventor's or plant
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES NO
Additional foreign application nur	nbers are listed on a supplem	ental priority data sheet P	TO/SB/02B attach	ed hereto:

DECLARATION — Utility or Design Patent Application

Direct all correspondence to: Customer Numl or Bar Code Lal			OR Cor	respondence address below
				
Name				-
Address				
		T		
City		State)	ZIP
Country	lephone			Fax
I hereby declare that all statements made herein of my are believed to be true; and further that these statemer made are punishable by fine or imprisonment, or both, validity of the application or any patent issued thereon.	nts were made wit	h the kr	nowledge that willful false	statements and the like so
NAME OF SOLE OR FIRST INVENTOR :	A petition h	nas be	en filed for this unsigr	ned inventor
Given Name Lance E. (first and middle [if any])			y Name rname	
Inventor's Lance & Bust	hen			Date 20 MAR 02
Chickasha	ОК		U.S.	U.S.
Residence: City	State		Country	Citizenship
Mailing Address 928 S. 8th				
Chickasha	ок		73018	U.S.
City J	State		ZIP	Country
NAME OF SECOND INVENTOR:	A petition has	s been	filed for this unsigned	d inventor
Given Name Krista L. (first and middle [if any])		Family or Surr		
Inventor's Kwata K. Ku	unar			Date 3-20-02
Duncan	ОК		U.S.	U.S.
Residence: City	State		Country	Citizenship
Mailing Address 504 North 20th				
Duncan City	OK State		73533 zip	U.S. Country
4	pplemental Additio	nal Inve	ntor(s) sheet(s) PTO/SB/0	

PTO/SB/02A (10-00)
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DECLARATION

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

Name of Additional Joint Inventor, if a	ny:		A petition has been	n filed for	this unsigned inventor
James A. Given Name			Brade Family Name or Surname	en	/
Inventor's Signature Signature) al	h_			Date 03/20/02
Duncan Residence: City	O	K ate	U.S. Country		U.S. Citizenship
1005 Timbercreek Drive Mailing Address					
Mailing Address					
_{city} Duncan	Oł Sta	< ate	73533 ZIP	U.S. Count	ry :
Name of Additional Joint Inventor, if a	ıy:	1	A petition has been f	iled for th	is unsigned inventor
Jan Pieter _{Given} _{Name}			Family Name or Surname		
Inventor's Signature					Date
Leiderdorp Residence: City	Sta	ate	The Netherland	S	Dutch Citizenship
Vorstenhof 2, 2353VV Mailing Address			<u> </u>		
Mailing Address					·
Leiderdorp city	Sta	ate	ZIP	The N	letherlands y
Name of Additional Joint Inventor, if ar	ıy:		A petition has been file	ed for this	unsigned inventor
Bach Given Name			Dao amily Name Surname		
Inventor's Signature		•			Date
Nieuw Vennep Residence: City	Stat	e	The Netherlan	ds	Dutch Citizenship
Vossenstein 26, 2151KK Mailing Address					
Mailing Address					
city Nieuw Vennep	State	9	ZIP		e Netherlands untry

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HES 2001-IP-005521U1P1

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DECLARATION FOR UTILITY OR

Attorney Docket Number

DESIG	N	First Named Invento	r Lance	E. Brothers et al.	
PATENT APPL	LICATION	COMPL	COMPLETE IF KNOWN		
(37 CFR ²		Application Number			
Declaration	Declaration	Filing Date			
Submitted OR with Initial	Submitted after Initial Filing (surcharge	Art Unit			
Filing	(37 ČFR 1.16 (e)) required)	Examiner Name			
As the below named inventor, I he	reby declare that:		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
My residence, mailing address, and o	citizenship are as stated belov	w next to my name.			
I believe I am the original and first inv	rentor of the subject matter wh	hich is claimed and for which	ch a patent is soug	ght on the invention entitled:	
Methods, Well Cement (Compositions And L	ightweight Additiv	es Therefor		
				,	
	(Title of the Inv	vention)			
the specification of which	, mo or me m				
is attached hereto					
OR F		···			
was filed on (MM/DD/YYYY)		as United States A	oplication Number	or PCT International	
Application Number and was amended on (MM/DD/YYYY) (if applicable).					
I hereby state that I have reviewed and any amendment specifically referred to		the above identified specif	ication, including t	ne claims, as amended by	
I acknowledge the duty to disclose info applications, material information whice international filing date of the continua	h became available between	patentability as defined in 3 the filing date of the prior a	37 CFR 1.56, incluapplication and the	iding for continuation-in-part e national or PCT	
I hereby claim foreign priority benefits breeder's rights certificate(s), or 365(s States of America, listed below and h breeder's rights certificate(s), or any claimed.	under 35 U.S.C. 119(a)-(d) of any PCT international agree also identified below, by	application which designate checking the box, any for	ed at least one creion application f	ountry other than the United or patent, inventor's or plant	
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES NO	
·					
Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:					

[Page 1 of 2]

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: Customer Num or Bar Code La			OR Cor	respondence address below
Name				
·				
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Address		T		·
City	<u>-</u> -	State		ZIP
Country	elephone			Fax
I hereby declare that all statements made herein of my are believed to be true; and further that these statem made are punishable by fine or imprisonment, or both, validity of the application or any patent issued thereon.	ents were made wit	h the kno	owledge that willful false	statements and the like so
NAME OF SOLE OR FIRST INVENTOR :	A petition h	as bee	n filed for this unsigr	ned inventor
Given Name Lance E. (first and middle [if any])		Family or Sum		
Inventor's Signature				Date
Chickasha	OK	ĺ	U.S.	U.S.
Residence: City	State		Country	Citizenship
928 S. 8th Malling Address				
Chickasha	ок	1	73018	U.S.
City	State	j	ZIP	Country
NAME OF SECOND INVENTOR:	A petition has	s been t	filed for this unsigne	d inventor
Given Name Krista L. (first and middle [if any])		Family I		
Inventor's Signature		-		Date
Duncan	ок	1	u.s.	u.s.
Residence: City	State		Country	Citizenship
Mailing Address 504 North 20th				
	ОК		. 73533	U.S.
Duncan	State		ZIP	Country
		L	ntor(s) sheet(s) PTO/SB/0	
Additional inventors are being named on the	Jappiomontal Additio			

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DECLARATION

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

Name of Additional Joint Inventor, if a	ny:	A petition has been	n filed for t	his unsigned inventor
James A. Given Name		Family Name or Surname		
Inventor's Signature				Date
Duncan Residence: City	OK State	U.S. Country		U.S. Citizenship
1005 Timbercreek Drive Mailing Address				
Mailing Address				
_{city} Duncan	OK State	73533 ZIP	U.S. Counti	у
Name of Additional Joint Inventor, if an	y:	A petition has been	filed for thi	s unsigned inventor
Jan Pieter Name		Family Name or Surname	•	
Inventor's Signature				Date 14/03/02
Leiderdorp Residence: City	State	The Netherland	ls	Dutch Citizenship
Vorstenhof 2, 2353VV		- 		
Mailing Address				
Leiderdorp city	State	ZIP	The N Countr	etherlands y
Name of Additional Joint Inventor, if an	y:	A petition has been fil	led for this	unsigned inventor
Bach Given Name		Dao Family Name or Surname		
Inventor's Signature				Date 14/03/0
Nieuw Vennep Residence: City	State	The Netherlar	nds	Dutch Citizenship
Vossenstein 26, 2151KK Mailing Address				
Mailing Address				
City Nieuw Vennep	State	ZIP		e Netherlands untry

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HALLIBURTON ENERGY SERVICES

2600 SOUTH SECOND STREET DUNCAN, OK 73536-0440

JUN 0 4 7002

MAY 29, 2002

CRAIG W. RODDY

PTAS

CRAIG W. RGDG promissioner for Trademarks Arlington, VA 22202-3513 www.uspto.gov



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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/21/2002

REEL/FRAME: 012740/0848

NUMBER OF PAGES: 15

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BROTHER, LANCE E.

DOC DATE: 03/20/2002

ASSIGNOR:

KEENER, KRISTA L.

DOC DATE: 03/20/2002

ASSIGNOR:

BRADEN, JAMES A.

DOC DATE: 03/20/2002

ASSIGNOR:

VIJN, JAN PIETER

DOC DATE: 03/14/2002

ASSIGNOR:

DAO, BACH

DOC DATE: 03/14/2002

ASSIGNEE:

HALLIBURTON ENERGY SERVICES, INC. 10200 BELLAIRE BOULEVARD HOUSTON, TEXAS 77072 012740/0848 PAGE 2

SERIAL NUMBER: 10103449

PATENT NUMBER:

FILING DATE: 03/21/2002

ISSUE DATE:

JEFFREY OLSEN, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS



RECORDATIO. 102044358 J.S. DEPARTMENT OF COMMERCE Form PTO-1595 (Rev. 03/01) U.S. Patent and Trademark Office PATENTS ON OMB No. 0651-0027 (exp. 5/31/2002) To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies) 1. Name of conveying party(ies): Name: Halliburton Energy Services, Inc. Lance E. Brothers Jan Pieter Vijn Krista L. Keener Bach Dao Internal Address: ____ James A. Braden 3-21-02 Additional name(s) of conveying party(ies) attached? Yes Vo 3. Nature of conveyance: ✓ Assignment Merger Street Address: 10200 Bellaire Boulevard Change of Name Security Agreement City: Houston State: TX Zip: 77072 03/14/02 (Vijn; Dao) Execution Date: 03/20/02 (Brothers; Keener; Additional name(s) & address(es) attached? Yes V No 4. Application number(s) or patent number(s): Application number(s) or patent number(s): $\frac{10}{103}$ 4 4 9 If this document is being filed together with a new application, the execution date of the application is: $\frac{03}{14/02}$ A. Patent Application No.(s) B. Patent No.(s) _____ Additional numbers attached? Yes Vo 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41).....\$40.00 Craig W. Roddy Enclosed Halliburton Energy Services Internal Address: Authorized to be charged to deposit account 8. Deposit account number: Street Address: 2600 South Second Street 08-0300 __State: OK Zip: 73536-0440 City: Duncan DO NOT USE THIS SPACE 9. Signature. Craig W. Roddy Name of Person Signing 10103449
Total number of pages including cover sheet, attachments, and documents: 00000214\080300 04/03/2001 DBYRNE

01 FC:581 /4

ASSIGNMENT

Whereas, I/We, Lance E. Brothers of Grady County, Chickasha, Oklahoma; Krista L. Keener of Stephens County, Duncan, Oklahoma; James A. Braden of Stephens County, Duncan, Oklahoma; Jan Pieter Vijn of Leiderdorp, The Netherlands and Bach Dao of Nieuw Vennep, The Netherlands, have invented METHODS, WELL CEMENT COMPOSITIONS AND LIGHTWEIGHT ADDITIVES THEREFOR for which I have made application for Letters Patent of the United States; and

Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of the sum of ten dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application first executed on March 14, 2002,

submitted concurrently herewith, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this 20th	day of March, 2002, at Duncan, Stephens County, Oklahoma U.S.A.
	Same E. Brothe
	Lance E. Brothers
State of Oklahoma)) ss
County of Stephens)
Before me personally	appeared said Lance E. Brothers and acknowledged the foregoing
instrument to be his fre	e act and deed this 20th day of March, 2002.
Seal	Sheila Libbs (Notary Public)
	(Notary Public)
My Commission Expire	es: Sentember 13 2004
my commodian zmpnic	
Executed this 20th	day of March, 2002, at Duncan, Stephens County, Oklahoma U.S.A.
	Krista L. Keener
State of Oklahoma	\
) ss ·
County of Stephens)
Before me personally ap	peared said Krista L. Keener and acknowledged the foregoing instrument
to be his free act and dee	ed this 20th day of March, 2002.
Seal	Sheela Deblis
	(Indially I dolle)
	•

My Commission Expires: September 13, 2004

Executed this 20th day of March, 2002, a	at Duncan, Stephens County, Oklahoma U.S.A.
	James & Bride
	James A. Braden
0 (0111	
State of Oklahoma) ss	
County of Stephens)	
Before me personally appeared said James A. l	Braden and acknowledged the foregoing instrument
to be his free act and deed this 20th day o	f March, 2002.
Seal	Sheila Gells
	(Notary Public)
My Commission Expires: September 13, 2004	
•	
	,
P 1.1 2002	
Executed thisday of March, 2002, at	
•	
	Jan Pieter Vijn
· ·	
	Vijn and acknowledged the foregoing instrument
to be his free act and deed this day of	March, 2002.
	·
Seal	
	(Notary Public)
Para de 141:	
Executed thisday of March, 2002, at _	
	Bach Dao
	Bach Dao
Before me personally appeared said Bach Dao a	nd acknowledged the foregoing instrument to be
his free act and deed this day of I	•
	·
Seal	•
טעמו	(Notary Public)

Whereas, I/We, Lance E. Brothers of Grady County, Chickasha, Oklahoma; Krista L. Keener of Stephens County, Duncan, Oklahoma; James A. Braden of Stephens County, Duncan, Oklahoma; Jan Pieter Vijn of Leiderdorp, The Netherlands and Bach Dao of Nieuw Vennep, The Netherlands, have invented METHODS, WELL CEMENT COMPOSITIONS AND LIGHTWEIGHT ADDITIVES THEREFOR for which I have made application for Letters Patent of the United States; and

Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of the sum of ten dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application first executed on <u>March 14, 2002</u>,

submitted concurrently herewith, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

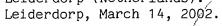
Executed this	_day of March, 2002, at I	Duncan, Stephens County, Oklahoma U.S.A.	
		Lance E. Brothers	
State of Oklahoma)) ss		
County of Stephens)		
Before me personally	appeared said Lance	E. Brothers and acknowledged the foreg	going
instrument to be his free	act and deed this	day of March, 2002.	
Seal /			,
	·	(Notary Public)	
My Commission Expire	s: September 13, 2004		
Executed this	day of March, 2002, at I	Ouncan, Stephens County, Oklahoma U.S.A.	
		Krista L. Keener	
State of Oklahoma)) ss		
County of Stephens)		
Before me personally ap	ppeared said Krista L. Ke	ener and acknowledged the foregoing instru	ment
to be his free act and de-	ed this day of I	March, 2002.	
			٠.
Seal			
Jeui .	,	(Notary Public)	
		•	

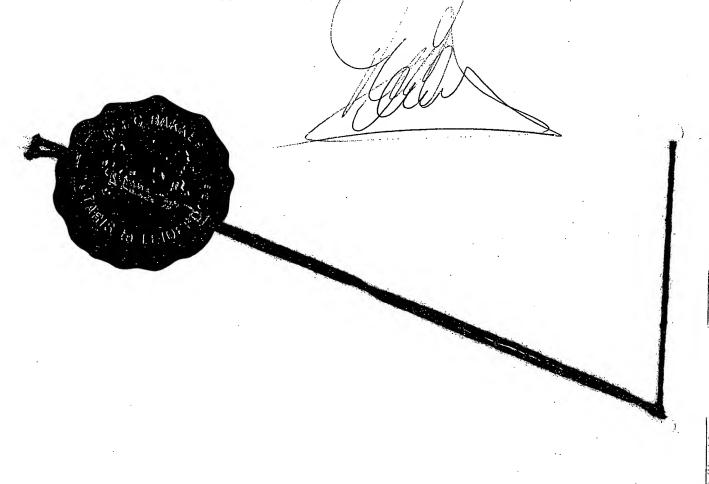
My Commission Expires: September 13, 2004

Executed this	_day of March, 2002, at Du	incan, Stephens County	, Oklahoma U.S.A.
		James A	.'Braden
State of Oklahoma)		
) ss		
County of Stephens)		
Before me personally ap	peared said James A. Brad	en and acknowledged t	he foregoing instrument
to be his free act and dee	ed this day of Ma	arch, 2002.	
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Seal	·		\ 11'\
		(Notary F	ublic)
	0 1 12 2004		
My Commission Expires	: September 13, 2004		
			· ·
Executed this 14th	day of March, 2002, at	Leiderdorp	· · · · · ·
•			
		Jan/Pieter	Vijn .
	•		
	peared said Jan Pieter Vijn	/	e foregoing instrument
to be his free act and deed	d this <u>14th</u> day of Mar	rch, 2002.	$\mathcal{L} = \mathcal{L}$
C. BAA			
200		/	AAA \
	·	mr F.C. Bakke (Notery F	
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Executed this 14th d	lay of March, 2002, at	Leiderdorp	
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		Bach Dao	
D - C 11	and Deak Dag and	almouladeed the force	
• • •	peared said Bach Dao and a		yoing instrument to be
nis tree act and deed this	14th day of Mar	cn, 2002.	· ·
			.(:
C. BAA		mr F.C. Bakke	
A TELL		(Inotally Pt	
		11/10	

Seen for legalization of the signature of mr Jan Pieter Vijn and mr Bach Dao,

by me mr Frederikus Cornelis Bakker, notaris, practising at Leiderdorp (Netherlands).







HALLIBURTON ENERGY SERVICES

2600 SOUTH SECOND STREET DUNCAN, OK 73536-0440

RECEIVED

JUN 0 4 7002

MAY 29, 2002

CRAIG W. RODDY

PTAS

CRAIG W. RGD: Squaissioner for Trademarks Arlington, VA 22202-3513 www.uspto.gov



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RECORDATION DATE: 03/21/2002

REEL/FRAME: 012740/0848

NUMBER OF PAGES: 15

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BROTHER, LANCE E.

DOC DATE: 03/20/2002

ASSIGNOR:

. KEENER, KRISTA L.

DOC DATE: 03/20/2002

ASSIGNOR:

BRADEN, JAMES A.

DOC DATE: 03/20/2002

ASSIGNOR:

VIJN, JAN PIETER

DOC DATE: 03/14/2002

ASSIGNOR:

DAO, BACH

DOC DATE: 03/14/2002

ASSIGNEE:

HALLIBURTON ENERGY SERVICES, INC. 10200 BELLAIRE BOULEVARD HOUSTON, TEXAS 77072 012740/0848 PAGE 2

SERIAL NUMBER: 10103449

PATENT NUMBER:

FILING DATE: 03/21/2002

ISSUE DATE:

JEFFREY OLSEN, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS



RECORDATIO. 102044358 Form PTO-1595 J.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office (Rev. 03/01) PATENTS ONL' OMB No. 0651-0027 (exp. 5/31/2002) Tab settings ⇒ ⇒ ⇒ ▼ To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Name: Halliburton Energy Services, Inc. Lance E. Brothers Jan Pieter Vijn Krista L. Keener Bach Dao Internal Address: _____ James A. Braden 3-21-02 Additional name(s) of conveying party(ies) attached? Yes V No 3. Nature of conveyance: ✓ Assignment Merger Street Address: 10200 Bellaire Boulevard Security Agreement Change of Name Other_____ City: Houston State: TX Zip: 77072 03/14/02 (Vijn; Dao) Execution Date: 03/20/02 (Brothers: Keener: Additional name(s) & address(es) attached? Yes V No 4. Application number(s) or patent number(s): Application number(s) or patent number(s):

(b) //03 (4 4)

If this document is being filed together with a new application, the execution date of the application is: 03/14/02 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? Yes No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41).....\$40.00 Craig W. Roddy Enclosed Halliburton Energy Services Internal Address: Authorized to be charged to deposit account 8. Deposit account number: Street Address:__2600 South Second Street 08-0300 City: Duncan State: OK Zip: 73536-0440 DO NOT USE THIS SPACE 9. Signature. Craig W. Roddy Name of Person Signing 10103449 Total number of pages including cover sheet, attachments, and documents: 04/03/2002 DBYRNE 00000214**\0**80300

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ASSIGNMENT

Whereas, I/We, Lance E. Brothers of Grady County, Chickasha, Oklahoma; Krista L. Keener of Stephens County, Duncan, Oklahoma; James A. Braden of Stephens County, Duncan, Oklahoma; Jan Pieter Vijn of Leiderdorp, The Netherlands and Bach Dao of Nieuw Vennep, The Netherlands, have invented METHODS, WELL CEMENT COMPOSITIONS AND LIGHTWEIGHT ADDITIVES THEREFOR for which I have made application for Letters Patent of the United States; and

Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of the sum of ten dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application first executed on March 14, 2002, submitted concurrently herewith, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this 20th	day of March, 2002, at Duncan, Stephens County, Oklahoma U.S.A.
	Same E. Brothe
•	Lance E. Brothers
State of Oklahoma)) ss
County of Stephens)
Before me personally	appeared said Lance E. Brothers and acknowledged the foregoing
instrument to be his free	act and deed this 20th day of March, 2002.
Seal·	<u>Atreela Libbra</u> (Notary Public)
	(Notary Public)
My Commission Expires	: September 13, 2004
	•
Expanded this 20th	lay of March, 2002, at Duncan, Stephens County, Oklahoma U.S.A.
Executed tills	160 1 Nation, 2002, at Duncan, Stephens County, Oklaholina O.S.A.
	Tribate of Tillier
	Krista L. Keener
State of Oklahoma)	
County of Stephens)	SS
-	
-	peared said Krista L. Keener and acknowledged the foregoing instrument
to be his free act and deed	this 20th day of March, 2002.
	11 20
Seal	Notary Public)
	(Notary Fublic)

My Commission Expires: September 13, 2004

Executed this 20th	_day of March, 2002, at Duncan, Stephens County, Oklah	ioma U.S.A.
	Game Ma	1/2/2-
	James A. Brade	n
State of Olalahama		
State of Oklahoma)) ss	
County of Stephens	,	
Before me personally ap	ppeared said James A. Braden and acknowledged the fore	going instrument
to be his free act and dee	ed this 20th day of March, 2002.	
Seal	Sheila Delles	
	(Notary Public)	
My Commission Expires	s: September 13, 2004	
	•	
Executed thisd	day of March, 2002, at	<u>.</u>
	Jan Pieter Vijn	
Before me personally app	peared said Jan Pieter Vijn and acknowledged the forego	oing instrument
to be his free act and deed	this day of March, 2002.	
Seal		
	(Notary Public)	
The Act of the Control of	CM 1 2002 4	
Executed thisda	ay of March, 2002, at	·
	Bach Dao	
Before me personally appe	eared said Bach Dao and acknowledged the foregoing in	strument to be
his free act and deed this _	day of March, 2002.	
Seal		
	(Notary Public)	

ASSIGNMENT

Whereas, I/We, Lance E. Brothers of Grady County, Chickasha, Oklahoma; Krista L. Keener of Stephens County, Duncan, Oklahoma; James A. Braden of Stephens County, Duncan, Oklahoma; Jan Pieter Vijn of Leiderdorp, The Netherlands and Bach Dao of Nieuw Vennep, The Netherlands, have invented METHODS, WELL CEMENT COMPOSITIONS AND LIGHTWEIGHT ADDITIVES THEREFOR for which I have made application for Letters Patent of the United States; and

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submitted concurrently herewith, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this	_day of March, 2002, at I	Duncan, Stephens County, Oklahoma U.S.A.
		Lance E. Brothers
State of Oklahoma)) ss	
County of Stephens)	
Before me personally	appeared said Lance	E. Brothers and acknowledged the foregoing
instrument to be his free	e act and deed this	day of March, 2002.
Seal		(Notary Public)
		(Chotaly 2 dolloy
My Commission Expire	es: September 13, 2004	
Executed this	_day of March, 2002, at D	Duncan, Stephens County, Oklahoma U.S.A.
		Krista L. Keener
State of Oklahoma)	
County of Stephens) ss)	
Before me personally ap	opeared said Krista L. Ke	ener and acknowledged the foregoing instrument
to be his free act and de	ed this day of N	March, 2002.
Seal		
Scar		(Notary Public)

My Commission Expires: September 13, 2004

Executed this day of March, 2002, at D	Ouncan, Stephens County, Oklahoma U.S.A.
	James A. Braden
State of Oklahoma)) ss	
County of Stephens)	
Before me personally appeared said James A. Bra	
to be his free act and deed this day of N	Aarch, 2002.
Cool	
Seal	(Notary Public)
	. • •
My Commission Expires: September 13, 2004	•
	÷
Executed this <u>14th</u> day of March, 2002, at	Leiderdorp .
	Jan/Pjeter Vijn
Before me personally appeared said Jan Pieter Vij	
to be his free act and deed this 14th day of Ma	arch, 2002.
Tall the second	17/1/1
_	mr F.C. Bakker
	(Notary Public)
Executed this 14th day of March, 2002, at	Leiderdorp
, -	Bach Dao
Before me personally appeared said Bach Dao and	acknowledged the foregoing instrument to be
his free act and deed this 14th day of Ma	
	C
	mr F.C. Bakker
O. BAR	(Notary Public)